

Juneau/Greens Creek/Hoonah Intertie Project
Quarterly Progress Report
January 1, 2006 through March 31, 2006

ENGINEERING COMPLETE

The remaining engineering that took place during this quarter was minimal and consisted of the review and acceptance of the as-built documentation. In total for the project, the engineering staff designed a substation upgrade at the West Juneau Substation; overhauled line extension along N. Douglas Highway; the N. Douglas and Young Bay Submarine Cable Termination Yards; the N. Douglas to Young Bay submarine cable; and the "A" and "B" Road Overhead Transmission Lines.

Cost at completion for all engineering activities was: \$1,407,948.68 or about 8% of the overall cost of the project.

CONSTRUCTION COMPLETE

Submarine Cable Closeout Activities

To close out the project, as-built documentation (drawings & reports) have been received, reviewed and accepted. Substantial completion for this project has been met.

To recap the project three facilities were either upgraded or newly constructed and 34 miles of transmission lines with fiber optic cables were installed, 9.5 miles of which was a submarine cable that spanned across Stephens Passage. Below is a list of the facilities tied to the project and some of their features.

West Juneau Substation Upgrades

- Constructed new A-frame structure
- Installed new 69kV Circuit Switcher
- Installed SCADA System

North Douglas Overhead Line Extension

- Constructed 11.5 mile, 69kV Transmission Line Extension
- 11.5 mile Fiber Optic Cable under-build along transmission route was installed

North Douglas Submarine Cable Termination Yard

- Constructed new A-frame structures
- Installed two reactors and associated breakers
- Installed line breaker
- Installed high-speed ground switch
- Security fencing w/ video surveillance
- Installed SCADA System

Juneau/Greens Creek/Hoonah Intertie Project
Quarterly Progress Report
January 1, 2006 through March 31, 2006

N. Douglas to Young Bay Submarine Cable

- Installed 9.5 mile 69kV submarine cable w/ fiber optic element

Young Bay Submarine Cable Termination Yard

- Constructed new A-frame structure
- Security fencing w/ video surveillance

Greens Creek "A" Road Overhead Transmission Line

- Constructed 4.5 mile, 69kV Transmission Line Extension
- Installed 4.5 mile Fiber under-build along transmission route

Greens Creek "B" Road Overhead Transmission Line

- Constructed 8.5 mile, 69kV Transmission Line Extension
- Installed 8.5 mile Fiber under-build along transmission route